

## Supporting Information

### What to Expect When Expecting in Lab: A Review of Unique Risks and Resources for Pregnant Researchers in the Chemical Laboratory

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**Table S11.** A curated selection of references including excellent reviews and resources for hazards of concern for pregnant researchers in chemical laboratories.

Hazard	References
<b>Organic solvents</b>	<ol style="list-style-type: none"> <li>1. Agency for Toxic Substances and Disease Registry - Toxicological Profiles, <a href="https://www.atsdr.cdc.gov/toxprofiledocs/">https://www.atsdr.cdc.gov/toxprofiledocs/</a>.</li> <li>2. European Chemical Agency - C&amp;L Inventory, <a href="https://echa.europa.eu/information-on-chemicals/cl-inventory-database">https://echa.europa.eu/information-on-chemicals/cl-inventory-database</a>.</li> <li>3. WebWISER - Substance List, <a href="https://webwiser.nlm.nih.gov/knownSubstanceSearch">https://webwiser.nlm.nih.gov/knownSubstanceSearch</a>.</li> <li>4. The Risk Assessment Information System - Toxicity Profiles, <a href="https://rais.ornl.gov/tools/tox_profiles.html">https://rais.ornl.gov/tools/tox_profiles.html</a>.</li> <li>5. Integrated Risk Information System Assessments, <a href="https://iris.epa.gov/AtoZ/?list_type=alpha">https://iris.epa.gov/AtoZ/?list_type=alpha</a>.</li> <li>6. Hazard Summary - Health Effects Notebook for Hazardous Air Pollutants, <a href="https://www.epa.gov/haps/health-effects-notebook-hazardous-air-pollutants">https://www.epa.gov/haps/health-effects-notebook-hazardous-air-pollutants</a>.</li> <li>7. McMartin, K. I., Chu, M., Kopecky, E., Einarson, T. R., and Koren, G. (1998) Pregnancy Outcome Following Maternal Organic Solvent Exposure: A Meta-Analysis of Epidemiologic Studies. <i>Am. J. Ind. Med.</i> 34 (3), 288–292. DOI: 10.1002/(SICI)1097-0274(199809)34:3&lt;288::AID-AJIM12&gt;3.0.CO;2-Q.</li> <li>8. Prat, D., Wells, A., Hayler, J., Sneddon, H., McElroy, C. R., Abou-Shehada, S., and Dunn, P. J. (2015) CHEM21 Selection Guide of Classical- and Less Classical-Solvents. <i>Green Chem.</i> 18 (1), 288–296. DOI: 10.1039/c5gc01008j.</li> </ol>
<b>Heavy metals</b>	<ol style="list-style-type: none"> <li>1. Agency for Toxic Substances and Disease Registry - Toxicological Profiles, <a href="https://www.atsdr.cdc.gov/toxprofiledocs/">https://www.atsdr.cdc.gov/toxprofiledocs/</a>.</li> <li>2. Domingo, J. L. (1994) Metal-Induced Developmental Toxicity in Mammals: A Review. <i>J. Toxicol. Environ. Health</i> 42 (2), 123–141. DOI: 10.1080/15287399409531868.</li> <li>3. Apostoli, P., and Catalani, S. (2011) Metal Ions Affecting Reproduction and Development. <i>Met. Ions Life Sci.</i> 8, 263–303. DOI: 10.1039/978184973211600263.</li> <li>4. Rahman, A., Kumarathan, P., and Gomes, J. (2016) Infant and Mother Related Outcomes from Exposure to Metals with Endocrine Disrupting Properties during Pregnancy. <i>Sci. Total Environ.</i> 569–570, 1022–1031. DOI: 10.1016/j.scitotenv.2016.06.134.</li> </ol>
<b>Engineered nanomaterials (ENMs)</b>	<ol style="list-style-type: none"> <li>1. Vidanapathirana, A. K. (2014) Use of Nanotechnology in Pregnancy, in <i>Encyclopedia of Nanotechnology</i> (Bhushan, B., Ed.) Springer, Dordrecht. DOI: 10.1007/978-94-007-6178-0_100902-1.</li> <li>2. Nobile, S., and Nobile, L. (2020) Nanotechnology and Early Human Development. <i>Appl. Sci.</i> 10 (12). DOI: 10.3390/app10124323.</li> <li>3. Stapleton, P. A. (2016) Gestational Nanomaterial Exposures: Microvascular Implications during Pregnancy, Fetal Development and Adulthood. <i>J. Physiol.</i> 594 (8), 2161–2173. DOI: 10.1113/JP270581.</li> </ol>
<b>Endocrine disrupting chemicals (EDCs)</b>	<ol style="list-style-type: none"> <li>1. The Endocrine Disruption Exchange, <a href="https://endocrinedisruption.org/interactive-tools/critical-windows-of-development/view-the-timeline/">https://endocrinedisruption.org/interactive-tools/critical-windows-of-development/view-the-timeline/</a>.</li> <li>2. Richter, C. A., Birnbaum, L. S., Farabollini, F., Newbold, R. R., Rubin, B. S., Talsness, C. E., Vandenberg, J. G., Walsler-Kuntz, D. R., and vom Saal, F. S. (2007) In Vivo Effects of Bisphenol A in Laboratory Rodent Studies. <i>Reprod. Toxicol.</i> 24 (2), 199–224. DOI: 10.1016/j.reprotox.2007.06.004.</li> </ol>
<b>Ionizing radiation</b>	<ol style="list-style-type: none"> <li>1. Fattibene, P., Mazzei, F., Nuccetelli, C., and Risica, S. (2007) Prenatal Exposure to Ionizing Radiation: Sources, Effects and Regulatory Aspects. <i>Acta Paediatr.</i> 88 (7), 693–702. DOI: 10.1111/j.1651-2227.1999.tb00024.x.</li> <li>2. Cruz Suárez, R., Berard, P., Harrison, J. D., Melo, D. R., Nosske, D., Stabin, M., and Challeton-de Vathaire, C. (2007) Review of Standards of Protection for Pregnant Workers and Their Offspring. <i>Radiat. Prot. Dosimetry</i> 127 (1–4), 19–22. DOI: 10.1093/rpd/ncm480.</li> </ol>

	<p>3. De Santis, M., Di Gianantonio, E., Straface, G., Cavaliere, A. F., Caruso, A., Schiavon, F., Berletti, R., and Clementi, M. (2005) Ionizing Radiations in Pregnancy and Teratogenesis: A Review of Literature. <i>Reprod. Toxicol.</i> 20 (3), 323–329. DOI: 10.1016/j.reprotox.2005.04.004.</p> <p>4. Marx, M. V. (2018) Baby on Board: Managing Occupational Radiation Exposure During Pregnancy. <i>Tech. Vasc. Interv. Radiol.</i> 21 (1), 32–36. DOI: 10.1053/j.tvir.2017.12.007.</p>
<b>Non-ionizing radiation</b>	<p>1. De Wilde, J. P., Rivers, A. W., and Price, D. L. (2005) A Review of the Current Use of Magnetic Resonance Imaging in Pregnancy and Safety Implications for the Fetus. <i>Prog. Biophys. Mol. Biol.</i> 87 (2), 335–353. DOI: 10.1016/j.pbiomolbio.2004.08.010.</p> <p>2. Moser, E., Laistler, E., Schmitt, F., and Kontaxis, G. (2017) Ultra-High Field NMR and MRI—The Role of Magnet Technology to Increase Sensitivity and Specificity. <i>Front. Phys.</i> 5, 33. DOI: 10.3389/fphy.2017.00033.</p>
<b>Noise stress</b>	<p>1. Hartikainen, A. L., Sorri, M., Anttonen, H., Tuimala, R., and Laara, E. (1994) Effect of Occupational Noise on the Course and Outcome of Pregnancy. <i>Scand. J. Work. Environ. Heal.</i> 20 (6), 444–450. DOI: 10.5271/sjweh.1376.</p> <p>2. Nurminen, T. (1995) Female Noise Exposure, Shift Work, and Reproduction. <i>J. Occup. Environ.</i> 37, 945–950.</p> <p>3. Selander, J., Albin, M., Rosenhall, U., Rylander, L., Lewné, M., and Gustavsson, P. (2016) Maternal Occupational Exposure to Noise during Pregnancy and Hearing Dysfunction in Children: A Nationwide Prospective Cohort Study in Sweden. <i>Environ. Health Perspect.</i> 124 (6), 855–860. DOI: 10.1289/ehp.1509874.</p> <p>4. Reproductive Health and the Workplace, <a href="http://www.cdc.gov/niosh/topics/repro/pregnancyjob.html">www.cdc.gov/niosh/topics/repro/pregnancyjob.html</a>.</p>
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<b>Psychosocial and physical stress</b>	<p>1. Mutambudzi, M., Meyer, J. D., Warren, N., and Reisine, S. (2011) Effects of Psychosocial Characteristics of Work on Pregnancy Outcomes: A Critical Review. <i>Women Health</i> 51 (3), 279–297. DOI: 10.1080/03630242.2011.560242.</p> <p>2. Palmer, K. T., Bonzini, M., Harris, E. C., Linaker, C., and Bonde, J. P. (2013) Work Activities and Risk of Prematurity, Low Birth Weight and Pre-Eclampsia: An Updated Review with Meta-Analysis. <i>Occup. Environ. Med.</i> 70 (4), 213–222. DOI: 10.1136/oemed-2012-101032.</p> <p>3. Figà-Talamanca, I. (2006) Occupational Risk Factors and Reproductive Health of Women. <i>Occup. Med.</i> 56 (8), 521–531. DOI: 10.1093/occmed/kql114.</p> <p>4. Hobel, C. J., Goldstein, A., and Barrett, E. S. (2008) Psychosocial Stress and Pregnancy Outcome. <i>Clin. Obstet. Gynecol.</i> 51 (2), 333–348. DOI: 10.1097/GRF.0b013e31816f2709</p>